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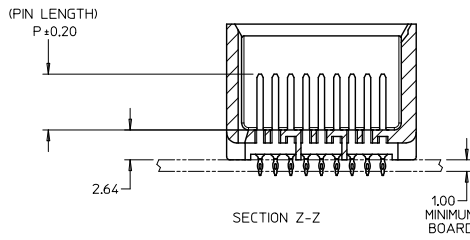
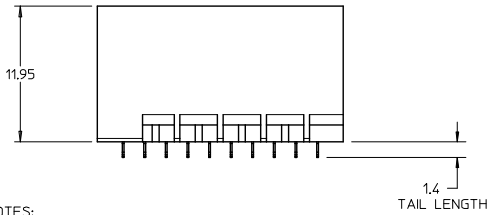
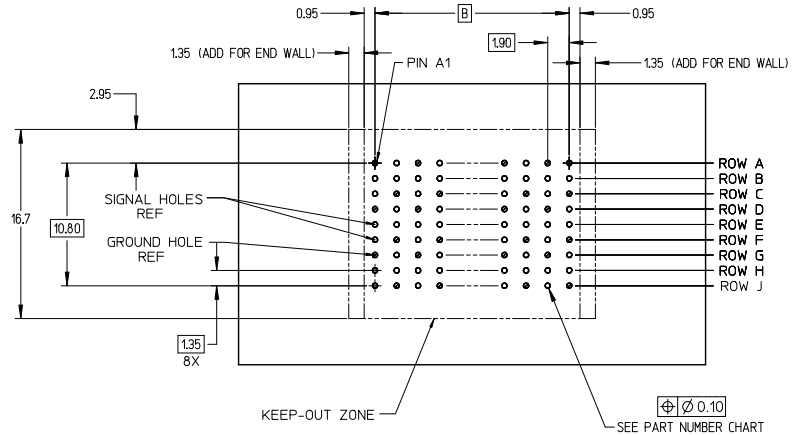
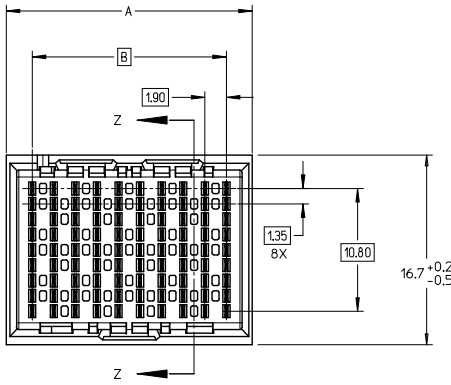
[Molex Connector Corporation](#)

[0761651604](#)

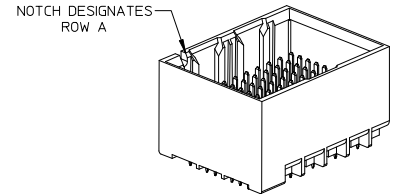
For any questions, you can email us directly:

sales@integrated-circuit.com

13 12 11 10 9 8 7 6 5 4 3 2 1



UNGUIDED BACKPLANE HOLE PATTERN (CONNECTOR SIDE) SEE NOTE 9



NOTES:

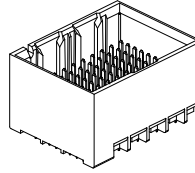
- MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP)
GLASS-FILLED, UL94V-0
TERMINALS - HIGH PERFORMANCE COPPER ALLOY
- FINISH: 30μ MIN GOLD IN CONTACT AREA.
SELECTIVE TIN ON PCB TAILS.
NICKEL OVERALL.
- REFER TO MOLEX PRODUCT SPECIFICATION PS-76060-999 FOR PERFORMANCE SPECIFICATIONS AND ADDITIONAL PCB INFORMATION.
- THIS PART CONFORMS TO CLASS B REQUIREMENTS OF MOLEX COSMETIC SPEC PS-45499-002.
- PARTS PACKAGED PER PK-70873-7700.
- SEE SHEETS 2 & 3 FOR PART NUMBERS AND BOARD RELATIONSHIPS.
- MATES WITH IMPACT DC SERIES NO. 76170.
- REFER TO MOLEX PCB ROUTING GUIDE AS-76060-990 FOR ANTIPAD AND ROUTING RECOMMENDATIONS.
- *THESE DIMENSIONS REPRESENT THE AREA NEEDED TO ACCOMMODATE CONNECTOR INSERTION AND REPAIR ON THE PC BOARD. THIS IS REFERRED TO AS THE "CONNECTOR KEEP OUT ZONE" AND DOES NOT REPRESENT THE ACTUAL PERIMETER OF THE CONNECTOR. WHEN LAYING OUT A PC BOARD FOR CONNECTORS STACKED TOGETHER, USE A 1.9mm PROGRESSION.*

| | | | | | | | | | | | |
|--|---------------------|--|-------|-----------------|------------|---|--------------|--|--|--|--|
| CONVERT TO LEAD-FREE EC NO: UCP2015-2078 DRAWN: IBARRA 2017/11/28 CHKD: BINGHAM 2017/12/18 APPR: MILLER 2017/12/31 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | | | |
| | | | | MM ONLY | | 4:1 | METRIC | | | | |
| | | | | mm | INCH | DRAWN BY | DATE | TITLE | | | |
| | | | | 4 PLACES ± --- | ± --- | MSANDBERG | 2007/06/18 | IMPACT BP 3 PAIR UNGUIDED ASSEMBLY SALES DRAWING | | | |
| | | 3 PLACES ± --- | ± --- | CHECKED BY | DATE | DOCUMENT NO. | | | | | |
| | | 2 PLACES ± 0.13 | ± --- | JLAURX | 2007/06/18 | SD-76165-001 | | 1 OF 3 | | | |
| | | 1 PLACE ± 0.25 | ± --- | APPROVED BY | DATE | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |
| | | 0 PLACE ± | ± | JLAURX | 2010/10/15 | | | | | | |
| | | ANGULAR ±1/2° | | MATERIAL NO. | | | | | | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | SEE TABLE | | | | | | | |

12 11 10 9 8 7 6 5 4 3 2 1

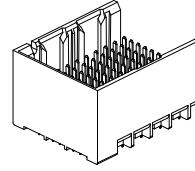
PART NUMBER TABLE

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' | DUAL END WALL OPTION |
|-----------------|--------------|----------------|---------|---------|----------------------------|
| 76165-*32* | 6 | 18 | 14.1 | 9.50 | |
| 76165-*82* | 8 | 24 | 17.9 | 13.30 | |
| 76165-*12* | 10 | 30 | 21.7 | 17.10 | |
| 76165-*62* | 16 | 48 | 33.1 | 28.50 | |



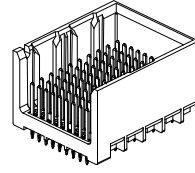
DUAL END
WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' | LEFT END WALL OPTION |
|-----------------|--------------|----------------|---------|---------|----------------------------|
| 76165-*31* | 6 | 18 | 12.7 | 9.50 | |
| 76165-*81* | 8 | 24 | 16.5 | 13.30 | |
| 76165-*11* | 10 | 30 | 20.3 | 17.10 | |
| 76165-*61* | 16 | 48 | 31.7 | 28.50 | |



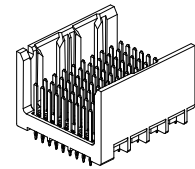
LEFT END
WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' | RIGHT END WALL OPTION |
|-----------------|--------------|----------------|---------|---------|-----------------------------|
| 76165-*33* | 6 | 18 | 12.7 | 9.50 | |
| 76165-*83* | 8 | 24 | 16.5 | 13.30 | |
| 76165-*13* | 10 | 30 | 20.3 | 17.10 | |
| 76165-*63* | 16 | 48 | 31.7 | 28.50 | |



RIGHT END
WALL OPTION

| MATERIAL NUMBER | # OF COLUMNS | # OF DIFF PAIR | DIM 'A' | DIM 'B' | OPEN WALL OPTION |
|-----------------|--------------|----------------|---------|---------|------------------------|
| 76165-*30* | 6 | 18 | 11.3 | 9.50 | |
| 76165-*80* | 8 | 24 | 15.1 | 13.30 | |
| 76165-*10* | 10 | 30 | 18.9 | 17.10 | |
| 76165-*60* | 16 | 48 | 30.4 | 28.50 | |



OPEN
WALL OPTION

PART NUMBER LOGIC

76165-****

MODULE TYPE
1 = UNGUIDED, TIN

PIN LENGTH (P)

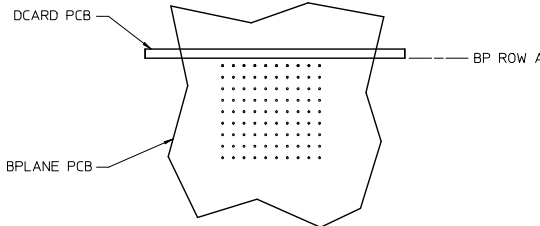
- 3 = 4.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
- 4 = 4.90 (SHORT COMPLIANT, 0.46±0.05 PTH)
- 5 = 5.50 (SHORT COMPLIANT, 0.46±0.05 PTH)
- 6 = 4.50 (MICRO COMPLIANT, 0.39±0.05 PTH)
- 7 = 4.90 (MICRO COMPLIANT, 0.39±0.05 PTH)
- 8 = 5.50 (MICRO COMPLIANT, 0.39±0.05 PTH)

END WALL OPTIONS

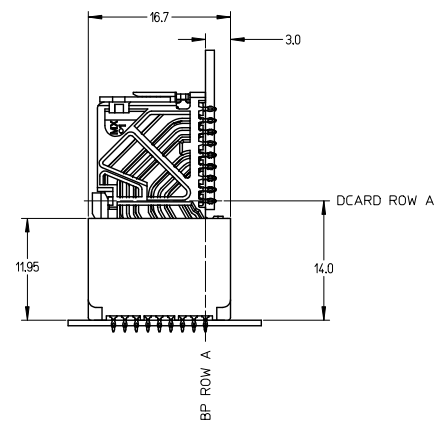
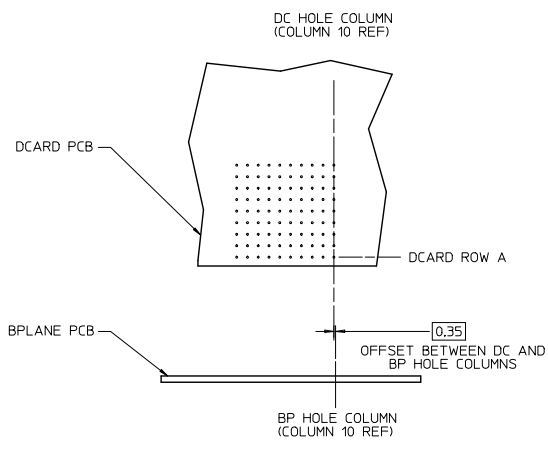
- 0 = OPEN ENDS
- 1 = LEFT END WALL
- 2 = DUAL END WALL
- 3 = RIGHT END WALL

- # OF COLUMNS
- 1 = 10 COL
 - 3 = 6 COL
 - 6 = 16 COL
 - 8 = 8 COL

| | | | | | | | | | |
|--|--------------------------------------|--|----------------------|----------------------------|----------------------|----------------|------------------------|---------------------------|---|
| SEE SHEET 1 EC NO: UCP2013-2078 DRAWN BY: BARBA CHKD: B. INGHAM APPR: MILLER 2012/11/28 2012/12/18 2012/12/31 | QUALITY SYMBOLS ∇=0 ∇=0 ∇=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 2.5:1 | DESIGN UNITS METRIC | THIRD ANGLE PROJECTION | |
| | | 4 PLACES ± --- ± --- | 3 PLACES ± --- ± --- | 2 PLACES ± 0.13 ± --- | 1 PLACE ± 0.25 ± --- | 0 PLACE ± ± | DRAWN BY MSANDBERG | DATE 2007/06/18 | TITLE IMPACT BP 3 PAIR UNGUIDED ASSEMBLY SALES DRAWING molex |
| | | ANGULAR ± 1/2° | | | | | CHECKED BY JLAURX | DATE 2007/06/18 | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | APPROVED BY JLAURX | DATE 2010/10/15 | |
| MATERIAL NO. SEE TABLE | | DOCUMENT NO. SD-76165-001 | | SHEET NO. 2 OF 3 | | | | | |



IMPACT 3 PAIR
BOARD RELATIONSHIPS



| | | | | | | |
|---|-----------------|--|----------------------|---|--------------|------------------------|
| SEE SHEET 1 EC NO: UCP2015-2078 DRAWN BY: TIBARRA 2012/11/28 CHECKED BY: B INGHAM 2012/12/18 APPROVED BY: S MILLER 2012/12/21 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION |
| | ▽=0 | mm INCH | MM ONLY | 3:1 | METRIC | ☉ |
| | ▽=0 | 4 PLACES ± --- ± --- | DRAWN BY DATE | TITLE | | |
| | ▽=0 | 3 PLACES ± --- ± --- | MSANDBERG 2007/06/18 | IMPACT BP 3 PAIR UNGUIDED ASSEMBLY SALES DRAWING | | |
| REV | DESCRIPTION | 2 PLACES ± 0.13 ± --- | CHECKED BY DATE | molex | | |
| | | 1 PLACE ± 0.25 ± --- | JLAURX 2007/06/18 | SD-76165-001 | | |
| | | 0 PLACE ± ± | APPROVED BY DATE | SHEET NO. | | |
| | | ANGULAR ± 1/2° | JLAURX 2010/10/15 | 3 OF 3 | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. | DOCUMENT NO. | | |
| | | | SEE TABLE | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |